

Marquess, Scott

From: Brune, Doug
Sent: Wednesday, June 11, 2014 2:38 PM
To: Mindrup, Mary
Subject: Cost per population or connection to treat for nitrate over 20 years

Good afternoon, Mary:

I looked in the Kansas regs, and SRF loans are to be repaid in 230 years. Using the loan request in the 2013 IUP and the recent proposal for Pretty Prairie, population and connections in the Drinking Water Watch, and assuming that the system would allow residents 20 years to assist with the paying off the loan obtained through the DWSRF, here is the cost per month and day per person and cost per month and day per connection over 20 year for 4 systems that are treating to remove nitrate. As a reminder, the proposal for Pretty Prairie included a new water tower and 75% distribution line replacement (and was created for a CDBG, aka free money) .

PWS	Population	\$	\$/Pop'n	monthly for 20 years	daily for 20 years
Argonia	494	1,600,000	3238.866	13.4952767	0.443377
Harper	1463	2,000,000	1367.054	5.69605833	0.187139
Leoti	1563	3,000,000	1919.386	7.99744082	0.26275
Pretty Prairie	691	4,600,000	6657.019	27.7375784	0.911296

PWS	Connections	\$	\$/Conn'n	monthly for 20 years	daily for 20 years
Argonia	259	1,600,000	6177.606	25.7400257	0.845668
Harper	741	2,000,000	2699.055	11.2460639	0.369481
Leoti	748	3,000,000	4010.695	16.7112299	0.549034
Pretty Prairie	305	4,600,000	15081.97	62.8415301	2.064609

Doug Brune, Environmental Engineer
Drinking Water Management Branch
Water, Wetlands, and Pesticides Division
US Environmental Protection Agency Region 7
11201 Renner Boulevard
Lenexa, KS 66219
913-551-7178

Adversity causes some to break and others to break records. William A. Ward